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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/809,205	03/25/2004	Toshimitsu Hirai	9319S-000717 5980		
27572	7590 05/25/2006	EXAM	EXAMINER		
HARNESS,	DICKEY & PIERCE,	TALBOT,	TALBOT, BRIAN K		
P.O. BOX 828 BLOOMFIELD HILLS, MI 48303			ART UNIT	PAPER NUMBER	
BECOMI IEI	20 III 225, III 10303		1762		
			DATE MAILED: 05/25/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No		Applicant(s)	
Office Action Summary		10/809,205		HIRAI, TOSHIMITSU	
		Examiner		Art Unit	
		Brian K. Talbot		1762	
Period fo	The MAILING DATE of this communication app or Reply	pears on the cove	r sheet with the c	orrespondence addre	ss
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING Donsions of time may be available under the provisions of 37 CFR 1.12 SIX (6) MONTHS from the mailing date of this communication. Depriod for reply is specified above, the maximum statutory period vire to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS Co 36(a). In no event, how will apply and will expire e, cause the application	OMMUNICATION vever, may a reply be time SIX (6) MONTHS from to become ABANDONE	I. ely filed the mailing date of this comm (35 U.S.C. § 133).	
Status		•			
1)⊠ 2a)□ 3)□	Responsive to communication(s) filed on <u>02 M</u> This action is FINAL . 2b) This Since this application is in condition for allower closed in accordance with the practice under E	action is non-fir	rmal matters, pro		erits is
Disposit	ion of Claims	,			
5)□ 6)⊠ 7)□ 8)□	Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) 8,9 and 12-20 is/are Claim(s) is/are allowed. Claim(s) 1-7,10 and 11 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/o	withdrawn from			
Applicat	ion Papers				
10)⊠	The specification is objected to by the Examine The drawing(s) filed on <u>25 March 2004</u> is/are: Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	a)⊠ accepted o drawing(s) be held tion is required if th	d in abeyance. See ne drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR	
Priority (under 35 U.S.C. § 119				
a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority documents application from the International Bureau See the attached detailed Office action for a list	s have been recost have been recorts have been recorts have documents have 17.2	eived. eived in Application ave been receive 2(a)).	on No Id in this National Sta	age
2) 🔲 Notic 3) 🔯 Infon	t(s) te of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) tr No(s)/Mail Date 3/25/06;4/4/06.	5)	Interview Summary (Paper No(s)/Mail Da Notice of Informal Pa Other:		i2)

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1. Applicant's election with traverse of Group I, claims 1-7,10 and 11 in the reply filed on 3/2/06 is acknowledged. The traversal is on the ground(s) that all groups of claims are sufficiently related to one another and therefore would not place a burden on the Examiner. This is not found persuasive because the issues that arise in prosecuting method, apparatus and product claims are diverse and this would constitute a burden on the Office.

The requirement is still deemed proper and therefore is made FINAL.

2. Claims 1-7,10 and 11 are elected as noted above. To advance prosecution of the elected claims, non-elected claims 8,9 and 12-20 should be canceled in response to this Office Action.

Specification

3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Only method claims remain active in the application. Apparatus and product claims have been withdrawn from prosecution as noted above.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless -

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(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-7 and 10-11 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Banno et al. (6,761,925).

Banno et al. (6,761,925) teaches an electron-emitting device, apparatus and production method thereof. A method of forming a pair of electrodes and an electrically conductive thin film on a substrate comprising applying a metal element solution in droplet form (abstract). Looking at Figs. 31A-33D, droplets of the metal solution are applied in a variety of fashions including a single drop (Fog. 31A), a line of drops (Fig. 31B) or a plurality of drops in a width proportion (Fig. 31C) for make the connection between the electrodes (col. 36, line 5 – col. 37, line 20).

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-7,10 and 11 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by JP 09-245,689.

JP 09-245,698 teaches a manufacture of electron emitter, electron-source substrate and image forming device. A conductive film (4) is applied between a pair of electrode 2,3 by imparting droplets of the solution. The ink-jet type droplet imparting means is used has a line of Art Unit: 1762

plural nozzles arranged at intervals each smaller than the diameter of a dot pattern to impart a plurality of droplets at a time to form the conductive film (abstract and Figs. 1-3).

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With respect to the step of "defining a pattern forming area", Banno et al. (6,761,925) and JP 009-245,698 teach the step of "defining" the pattern forming area by forming the electrodes and depositing the metal solution there between. The step of "sequentially arranging" the droplets in the area" is met by the deposited plurality of droplets.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian K. Talbot whose telephone number is (571) 272-1428. The examiner can normally be reached on Monday-Friday 6AM-3PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy H. Meeks can be reached on (571) 272-1423. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Brian K Talbot Primary Examiner

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